

TOP OF BEAM

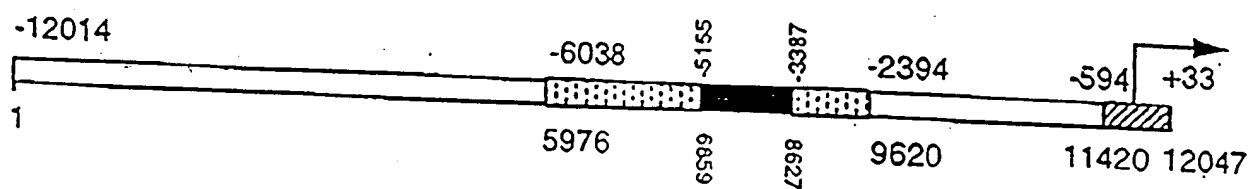


FIGURE 1

HKLK2.LA0	(6998)	AA-CTGAGCCTTGATTATATTG-GAGCTTGGTTGCA-CAG-ACATGTGCA
PSE	(509)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: AATCT-AG-C-TGA-TATAGTGTG-GCTCAAAACCTTCAGCACAAATC-A
HKLK2.LA0	(7044)	CCACCTTCATGGCTGAACTTTAGTACTTAGCCCCTCCAGACGTCTACAGC
PSE	(553)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: -CACCGTTA-GACT--A-TCTGGT--GT-G--GC-CCAAAC--CTTCAGG
HKLK2.LA0	(7094)	TGATAGGCTGTAACCCAACAT-TGTCACCATAAATCACATTGTTAGACTA
PSE	(590)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: TGA-ACAAAGGGACTCTA-ATCTGGCAGGAT-ATTC-CA----AAG-C-A
HKLK2.LA0	(7143)	TCCAGTG-TGGCC-CAAGCTCCCGTGTAACACAGGCACTCTAAACAG--
PSE	(630)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: T-TAGAGATGACCTCTTGC-AAAG-AAAAAGAAATGGAAAAGAAAAGAA
HKLK2.LA0	(7189)	-G-CAGGATATTTCAAAAGCTT-AGAGATGACCTCCCAGGAGCTGAATGC
PSE	(677)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: AGAAAGGAAAAAAAAAAAAAAAAAAGAGATGACCTCTCAGGCTCTGAGGGG
HKLK2.LA0	(7236)	AAA-GACCTGGCCTCTTTGGGCAAGGAGAATCCTTTACCGCACACTCTCC
PSE	(727)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: AAACG-CCTGAGGTCTTTGAGCAAGGTCAGTCCTCTGTTGCACAGTCTCC
HKLK2.LA0	(7285)	TTCACAGGGTTATTGTGAGGATCAAATGTGGTCATGTGTGTGAGACACCA
PSE	(776)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: CTCACAGGGTCATTGTGACGATCAAATGTGGTCACGTGTATGAGGCACCA
HKLK2.LA0	(7335)	GCACATGTCTGGCTGTGGAGAGTGACTTCTA--TGTGTGCTAACATTGCT
PSE	(826)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: GCACATGCCTGGCTCTGGGGAGTGCCGTGTAAGTGTATGCTTGCACTGCT
HKLK2.LA0	(7383)	GAGTGCTAAGAAAGTATTAGGCATGGCT-TTCAGCACTCACAGATGCTCA
PSE	(876)	:: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: GAATGCTTGGGATGTGTGAGGAT-TATCTTCAGCACTTACAGATGCTCA

FIGURE 2A

HKLK2.LA0	(7432)	TCTAATCCTCACAACATGGCTACAGGG-TGGGCACTACTAGCCTCATTG
PSE	(925)	TCTCATCCTCACAGCATCACTA-TGGGATGGGTATTACTGGCCTCATTG
HKLK2.LA0	(7481)	ACAGAGGAAAG-GACTGTGGATAAGAAGGGGGTGACCAATAGGTCAGAGT
PSE	(974)	ATGGA-GAAAGTGGCTGTGGCTCAGAAAGGGGGGACCACTAGACCAGGGA
HKLK2.LA0	(7530)	CATTCTGGATGCAAGGGG-CTCCAGAGGACCATGATTAGACATTGTCTGC
PSE	(1023)	CACTCTGGATGC-TGGGGACTCCAGA-GACCATGACCACTACCAACTGC
HKLK2.LA0	(7579)	AGAGAAATT----ATGG-CTGGATGTCTCTGCCCCGAAAGGG-GGA--T
PSE	(1071)	AGAGAAATTAATTGTGGCCT-GATGTCCCTGTCTGGAGAGGGTGGAGGT
HKLK2.LA0	(7621)	GCACTTTCCTTGACCCCTATCTCAGATCTTGACTTTGAG-GTTATCTCA
PSE	(1120)	GGACCTTCACTAACCTCCTACCT-TGACCCTCTCTTTTAGGGCTCTTTCT
HKLK2.LA0	(7670)	GACTTCCTCTATGATACCAGGAGCCCATCATAATCTCTCTGTGTCCTCTC
PSE	(1169)	GACCTCCACCATGGTACTAGGA-CCC--CATTGTAT-TCTGT-ACC-CT-
HKLK2.LA0	(7720)	CCCTTCCTCAGTCTTACTG-CCCACTCTTCCCAGCTCCATCTCCAGCTGG
PSE	(1212)	--C-T--TGA CTC-TA-TGACCCCCACTGCCCA-CTGCA--TCCAGCT--
HKLK2.LA0	(7769)	CCAGGTGTAGCCACAGTACCTAACTCT-TTGCAGAGAACTATAAATGTGT
PSE	(1250)	---GG-GT--CC-C-CT-CCTATCTCTATT-CCCAG--CTGGCCA-GTGC
HKLK2.LA0	(7818)	A-TCCTACAGGGGAGAAAAAAA-AAAAG-AACTCTGAAAGAGCTGACATT
PSE	(1287)	AGT-CT-CAGTGCCACCTGTTTGTGAGTAAGTCTGAAGGGGCTGACATT
HKLK2.LA0	(7865)	TTACCGACTTGCAAACACATAAGCTAACCTGCCAG--TTTTGT---GCT
PSE	(1335)	TTACTGACTTGCAAACAAATAAGCTAACTTTCCAGAGTTTTGTGAATGCT
HKLK2.LA0	(7909)	GGTAGAACT-CATGAGACTCCTGGGTGAGAGGCAAAAGATTTTATTACCC
PSE	(1385)	GGCAG-AGTCCATGAGACTCCTGAGTCAGAGGCAAAAGGCTTTTACTGCTC

FIGURE 2B

405050-325250

HKLK2.LA0	(7958)	ACAGCTAAGGAGGCAGCATGAACTTTGTGTTACATTTGTTCACTTTGCC
PSE	(1434)	ACAGCTTAGCAGACAGCATGAGGTTTCATGTTACATTAGTACACCTTGCC
HKLK2.LA0	(8008)	CCCC--AATTCATAT-GGGATGATCAGAGCAGTTC-AGGTGGATG--G-A
PSE	(1484)	CCCCCAAATCTTGTAGGG-TGACCAGAGCAG-TCTAGGTGGATGCTGTG
HKLK2.LA0	(8051)	CA-CAGGGGTTTGTGGCAAAGGTGAGCAACCTAG-GCTTAGAAATCCTCA
PSE	(1532)	CAGAAGGGGTTTGTGCCACTGGTGAGAAACCT-GAGATTAGGAATCCTCA
HKLK2.LA0	(8099)	ATCTTATAAGAAGGTACT---AGCAAACCTTGTC-CAGTCTTTGTATCTGA
PSE	(1581)	ATCTTAT-ACTGGG-ACAACCTTGCAAACCTG-CTCAGCCTTTGTCTCTGA
HKLK2.LA0	(8145)	CGGAGATATTATCTTTATAAT-TGGG-TTGAAAGCAGACCTACTCTGGAG
PSE	(1628)	TGAAGATATTATCTTCATGATCTTGGATTGAAAACAGACCTACTCTGGAG
HKLK2.LA0	(8193)	GAACATATTGTATTTATTGTCCT-GAACAGTAAACAAATCTGCTGTAAAA
PSE	(1678)	GAACATATTGTATCGATTGTCCTTG-ACAGTAAACAAATCTGTTGT--AA
HKLK2.LA0	(8242)	TAGACGTAACTTTATTATCTAAGG-CAGTAAGCAAACCTAGATCTGAAG
PSE	(1725)	GAGACATTATCTTTATTATCT-AGGACAGTAAGCAAGCCTGGATCTG-AG
HKLK2.LA0	(8291)	-GCGATACCATCTTGCAAGGCTATCTGCTGTACAAATATGCTTGAAAAGA
PSE	(1773)	AGAGATATCATCTTGCAAGGATGCCTGCTTTACAAACATCCTTGAAACAA
HKLK2.LA0	(8340)	TGGTCCAGAAAAGAAAACGGTATTATTGCCTTTGCTCAGAAGACACACAG
PSE	(1823)	CAATCCAGAAA-AAAAAGGTGTTGCTGTCTTTGCTCAGAAGACACACAG
HKLK2.LA0	(8390)	AAACATAAGAGAACCATGGAAAATTGTCTCCCAACACTGTTACCCAGAG
PSE	(1872)	ATACGTGACAGAACCATGGAGAATTGCCTCCCAACGCTGTTACGCCAGAG
HKLK2.LA0	(8440)	CCTTCCACTCTTGTCTGCAGGACAGTCTTAACATCCCATCATTAG-T-GT
PSE	(1922)	CCTTCCACCCTTGTCTGCAGGACAGTCTCAACGTTCCACCATTAAATACT

FIGURE 2C

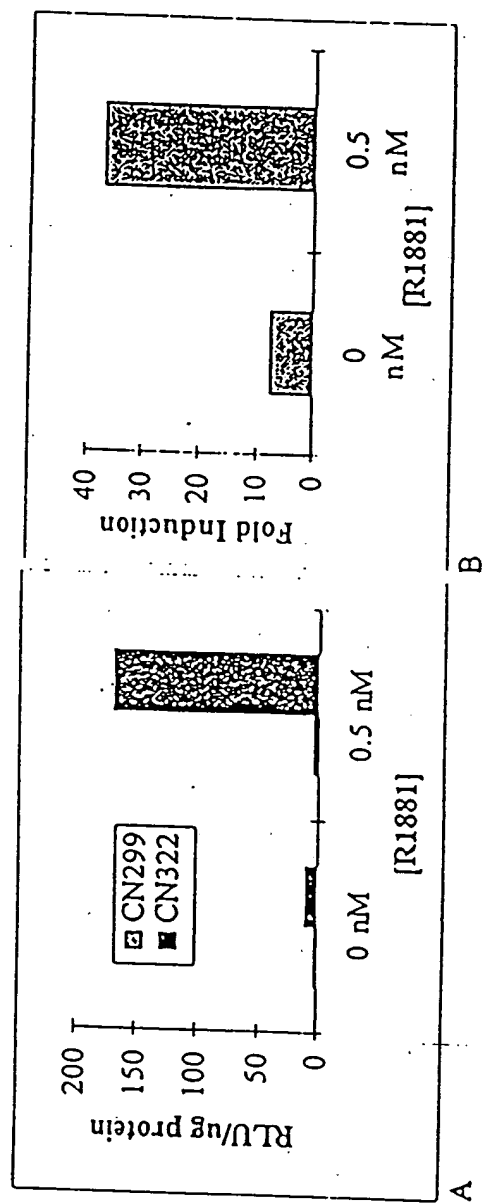


FIGURE 3

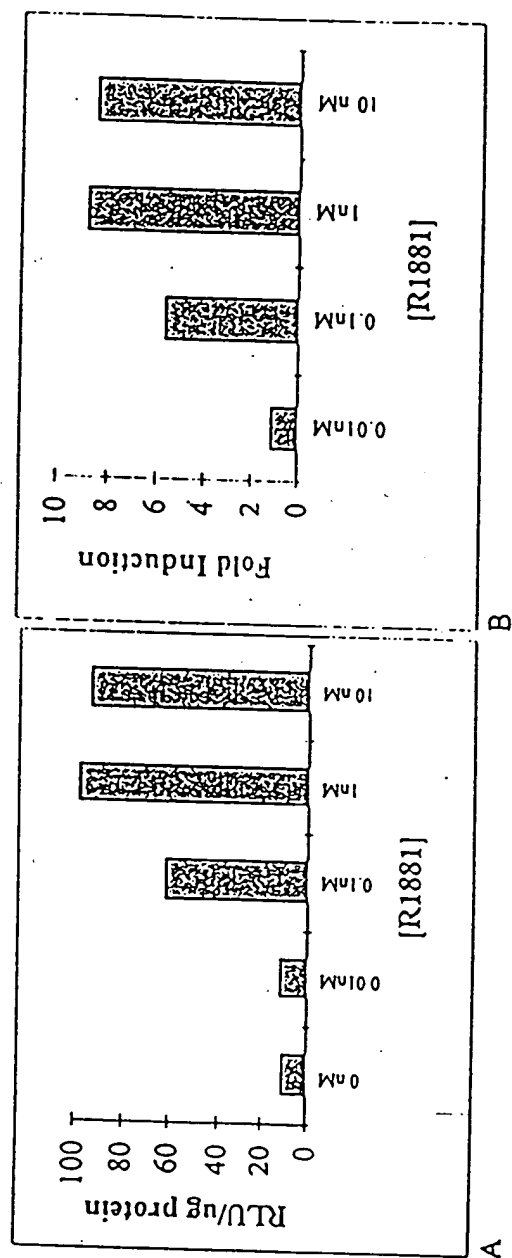


FIGURE 4

FOUO 822660

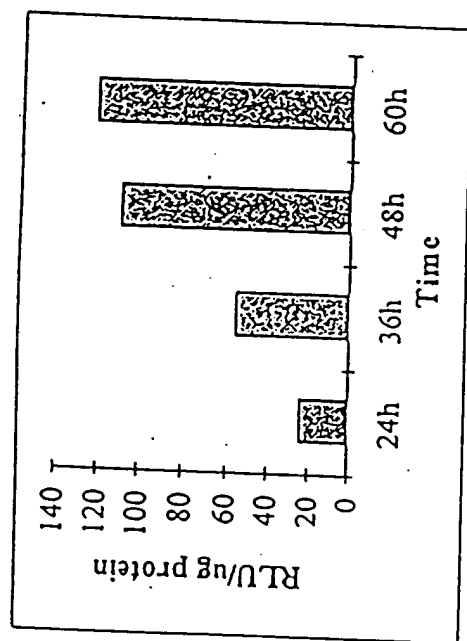


FIGURE 5

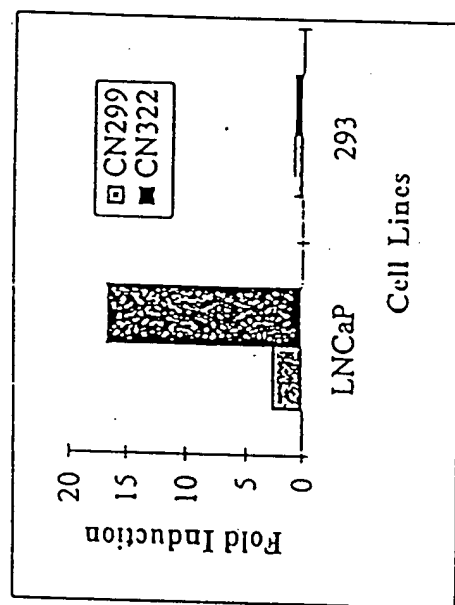


FIGURE 6

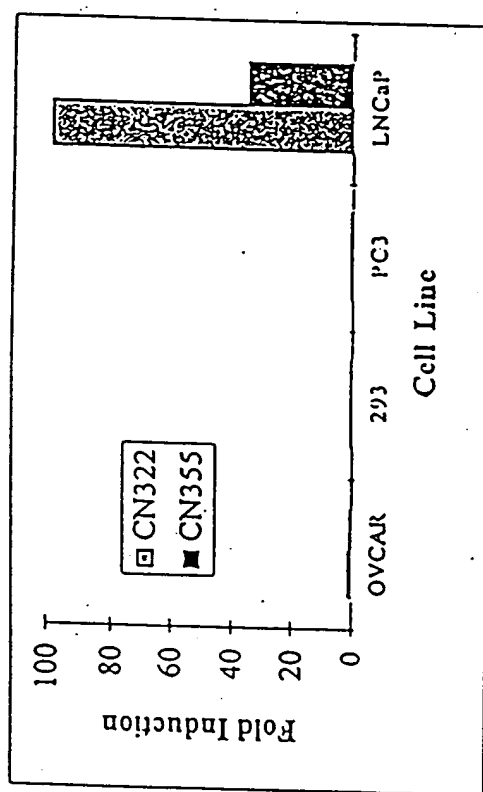


FIGURE 7

105090-3222360

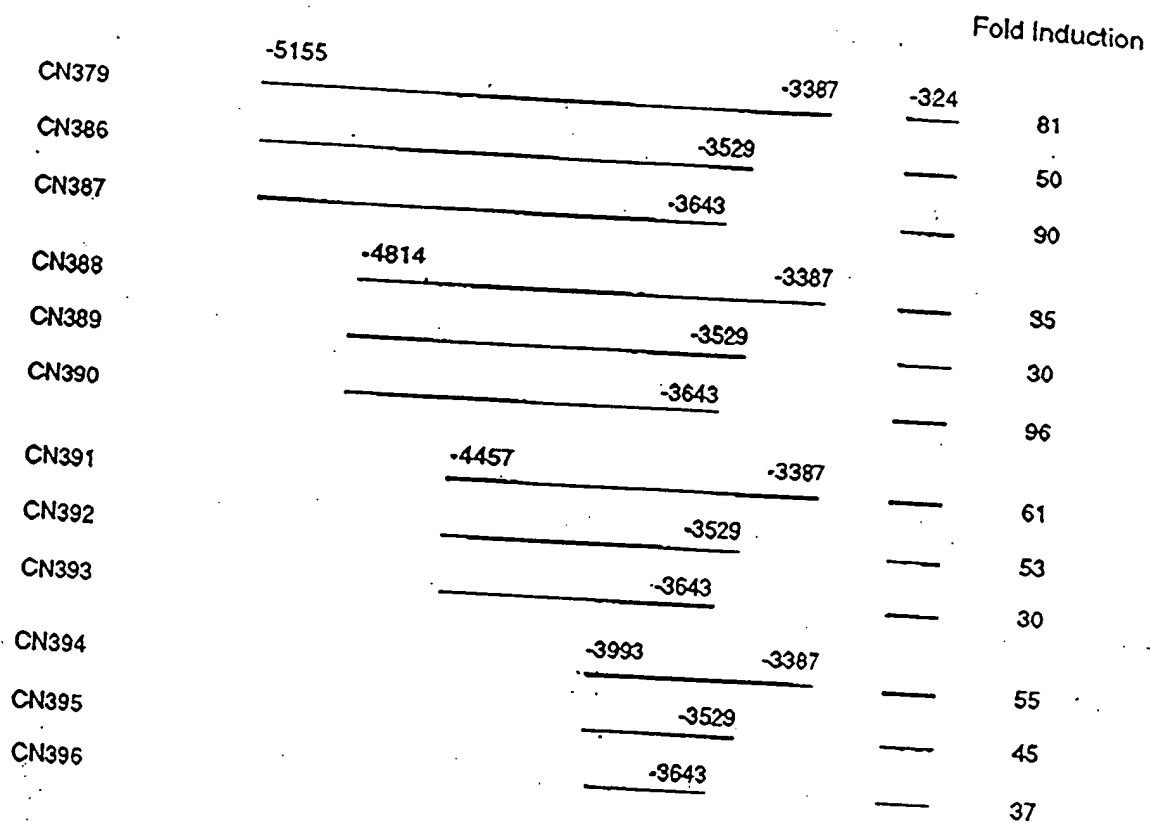


FIGURE 8

TOP SECRET

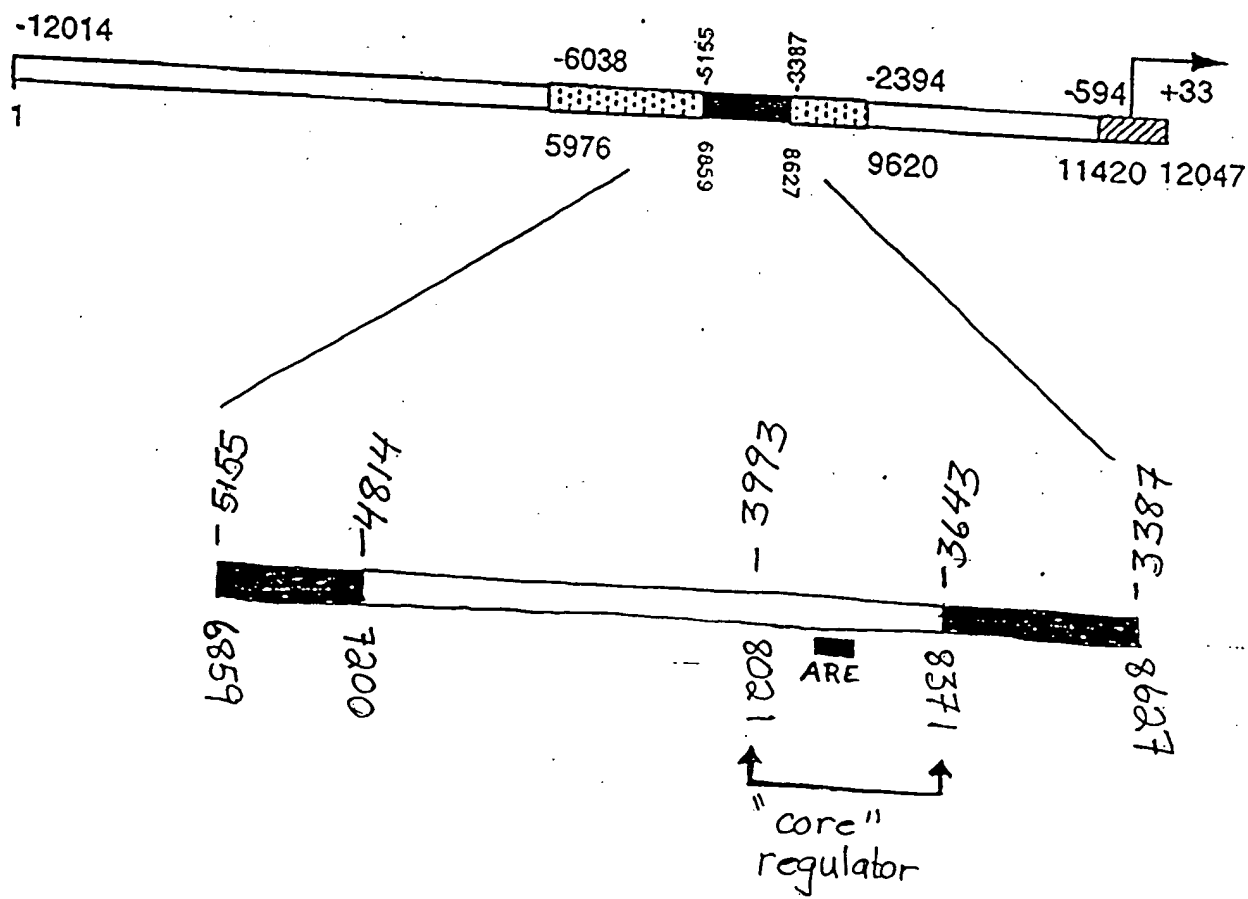
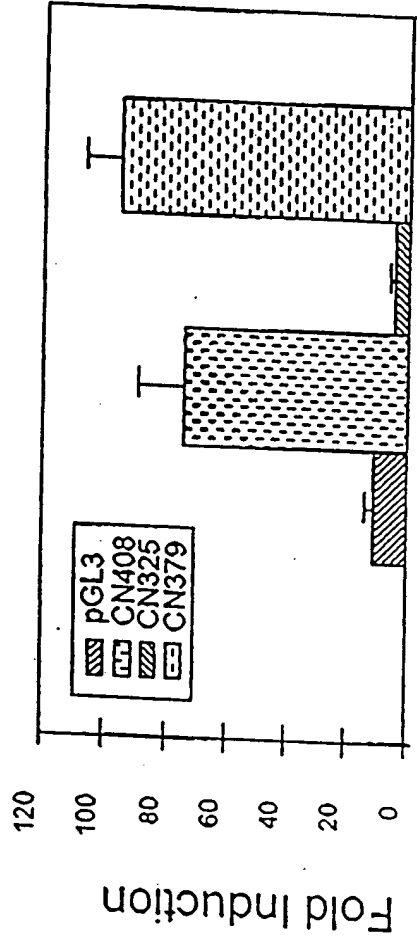


FIGURE 9

A



B

Constructs

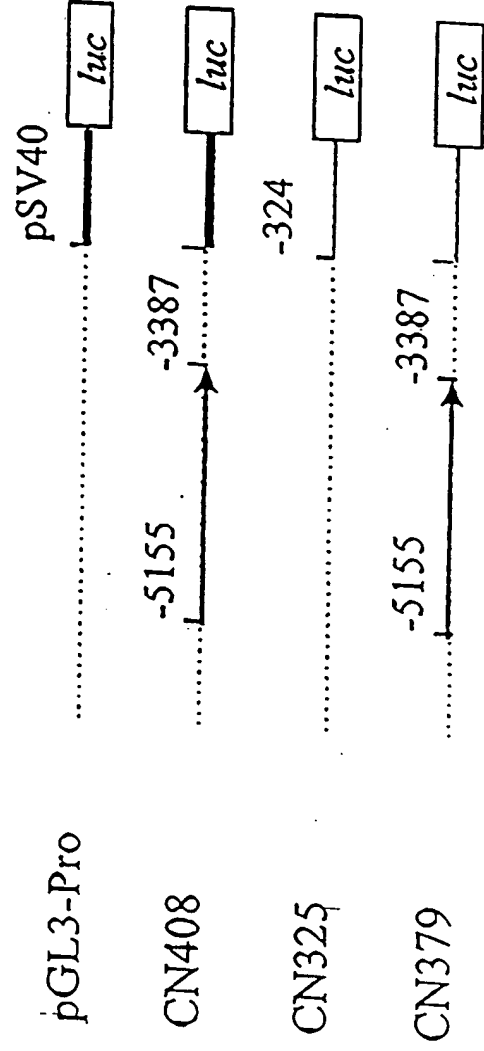
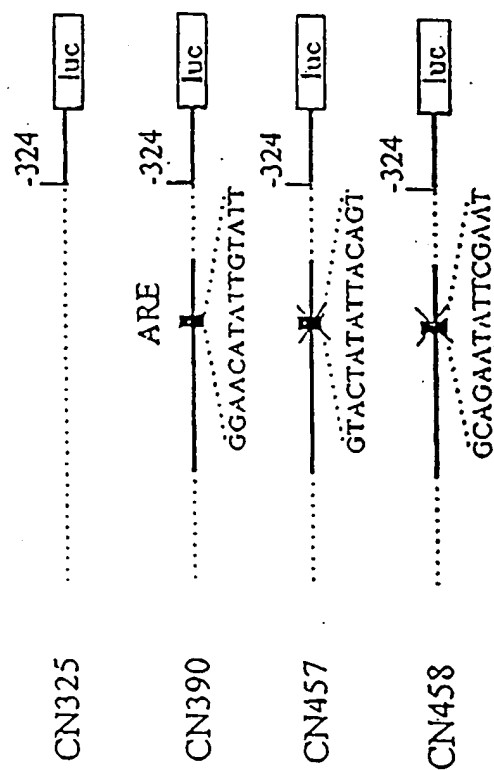


FIGURE 10

A



B

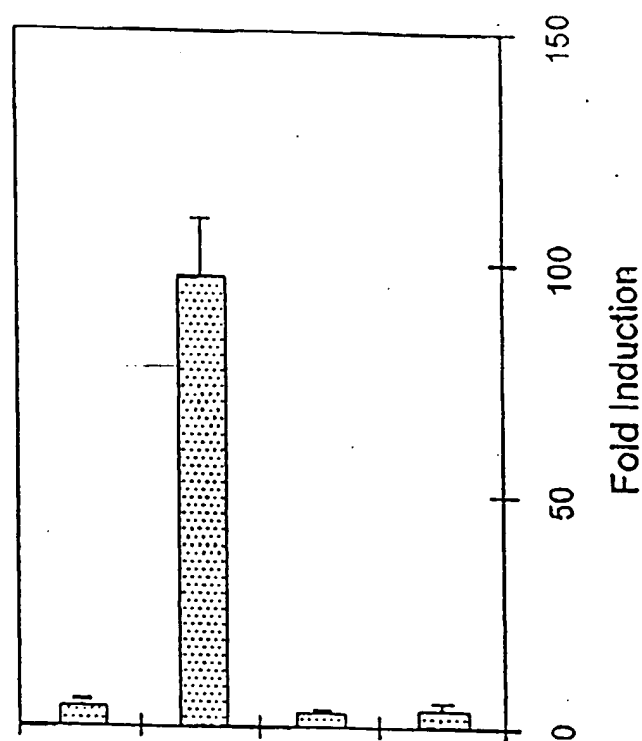


FIGURE 11

Fold Induction

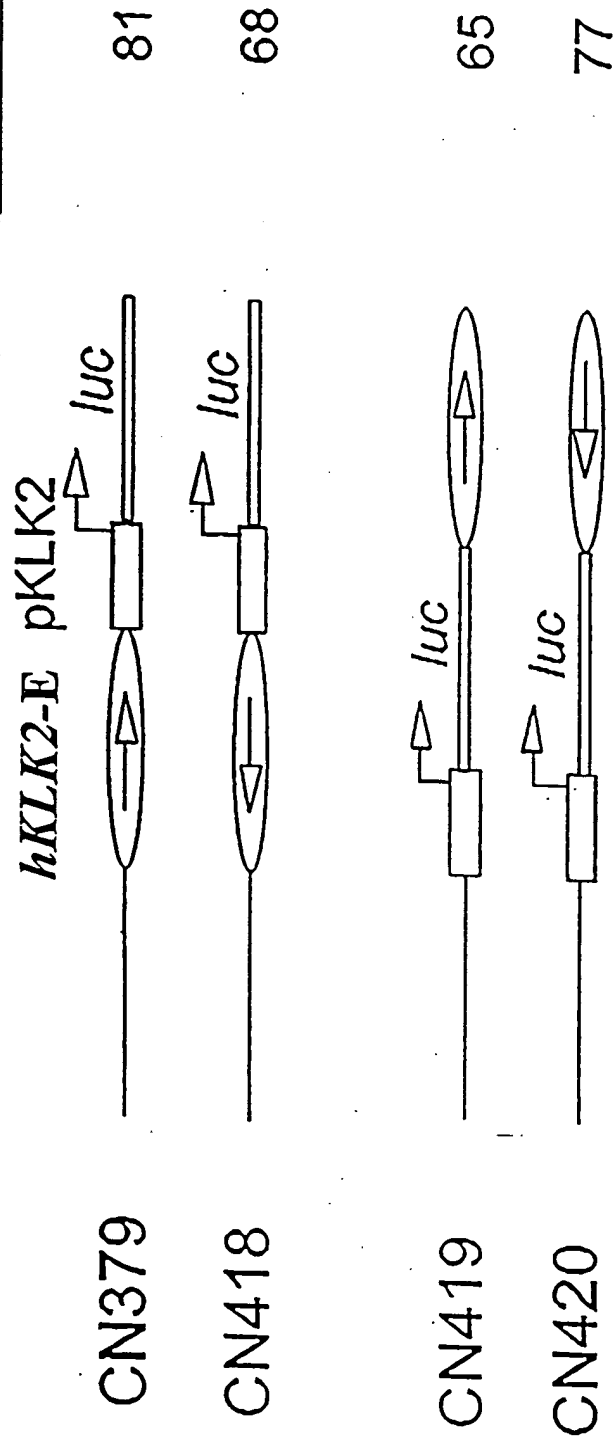


FIGURE 12

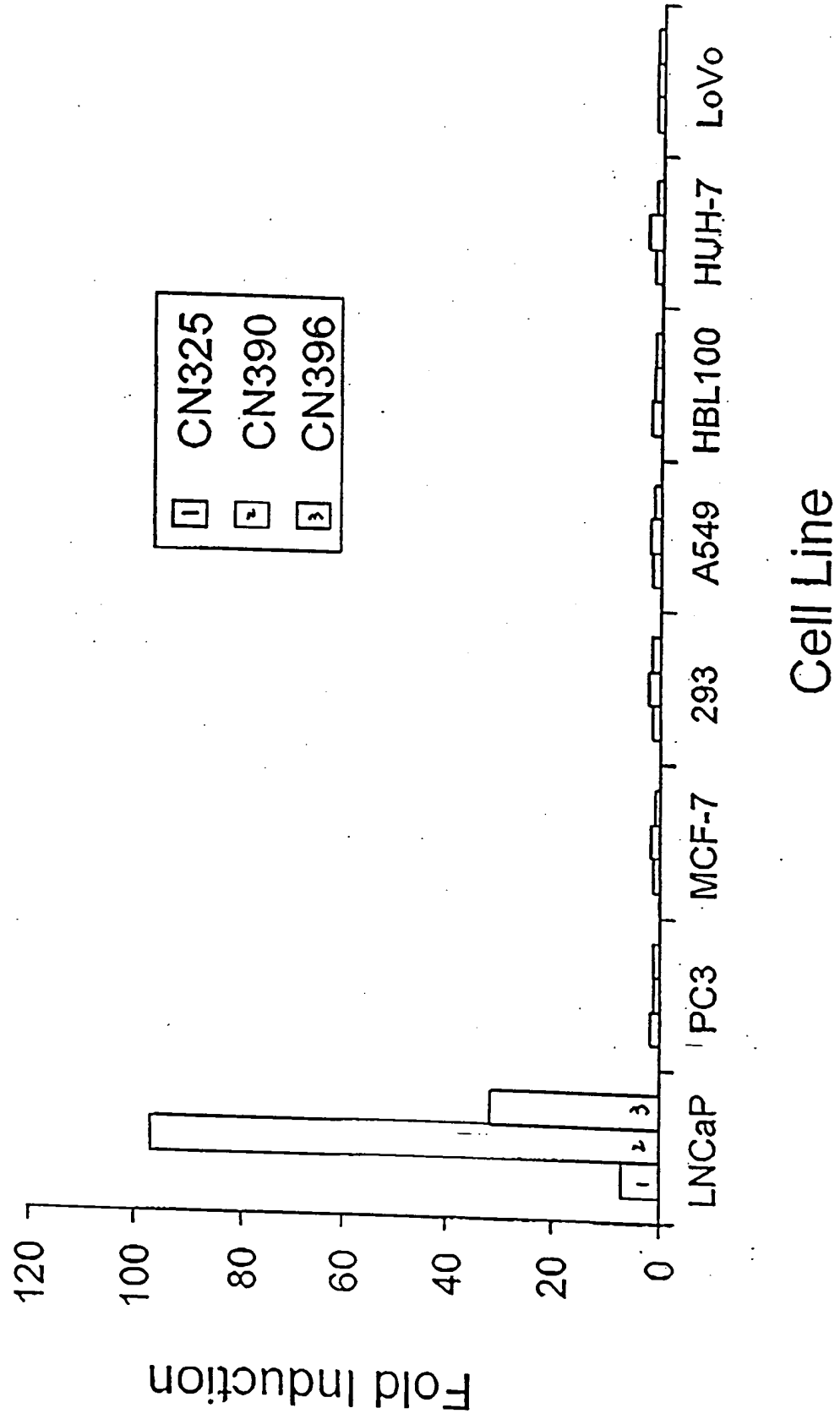


FIGURE 13

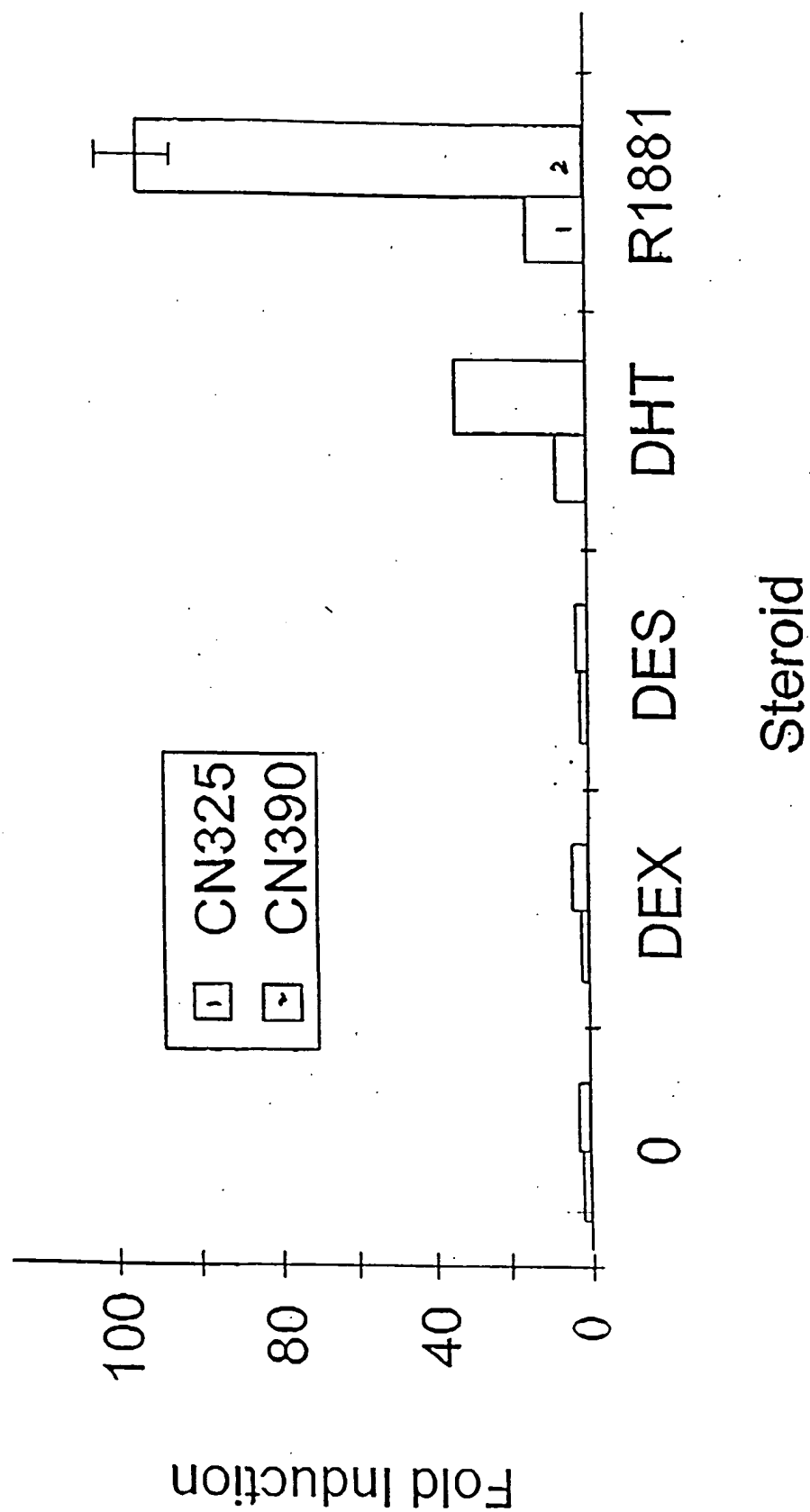


FIGURE 14

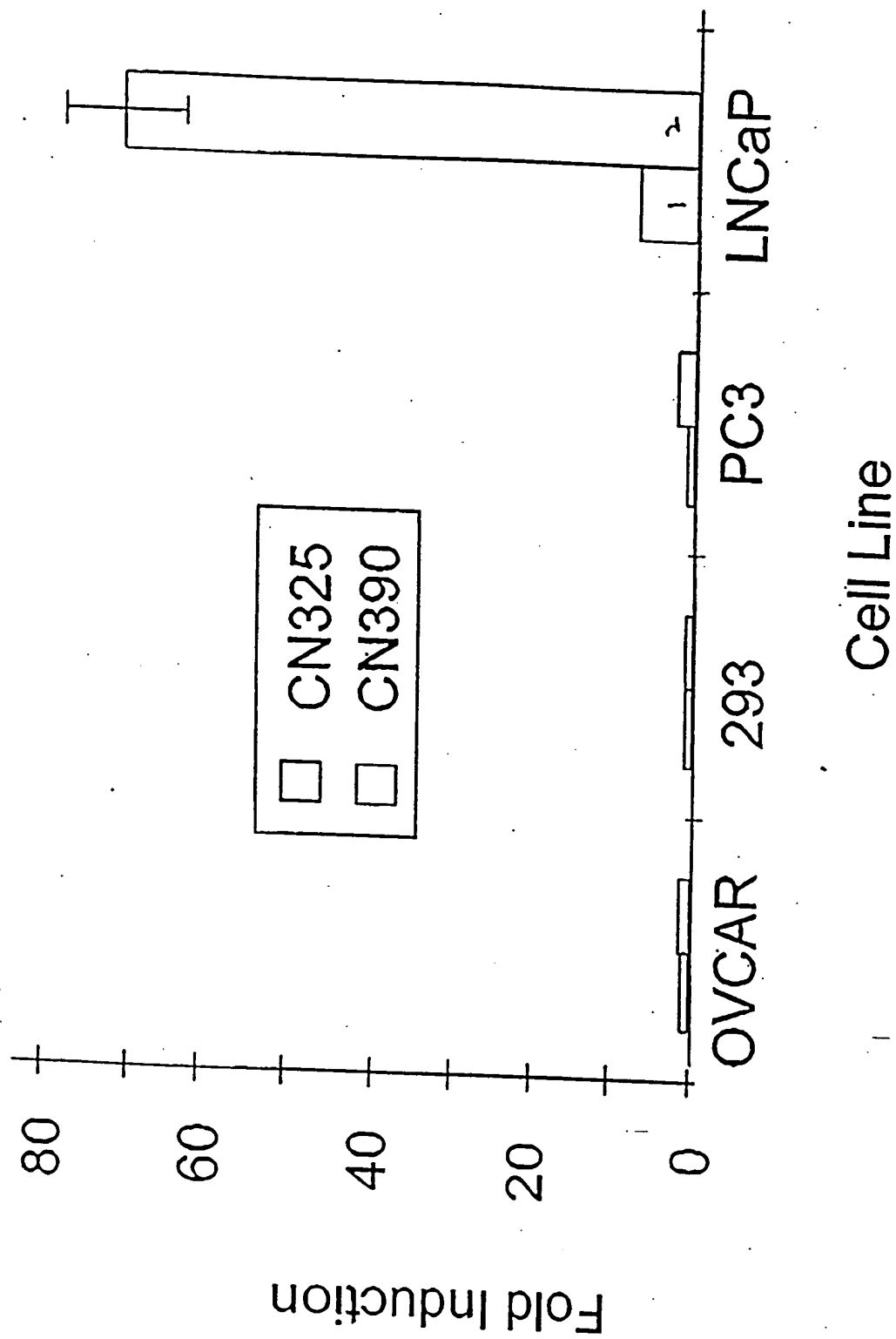


FIGURE 15

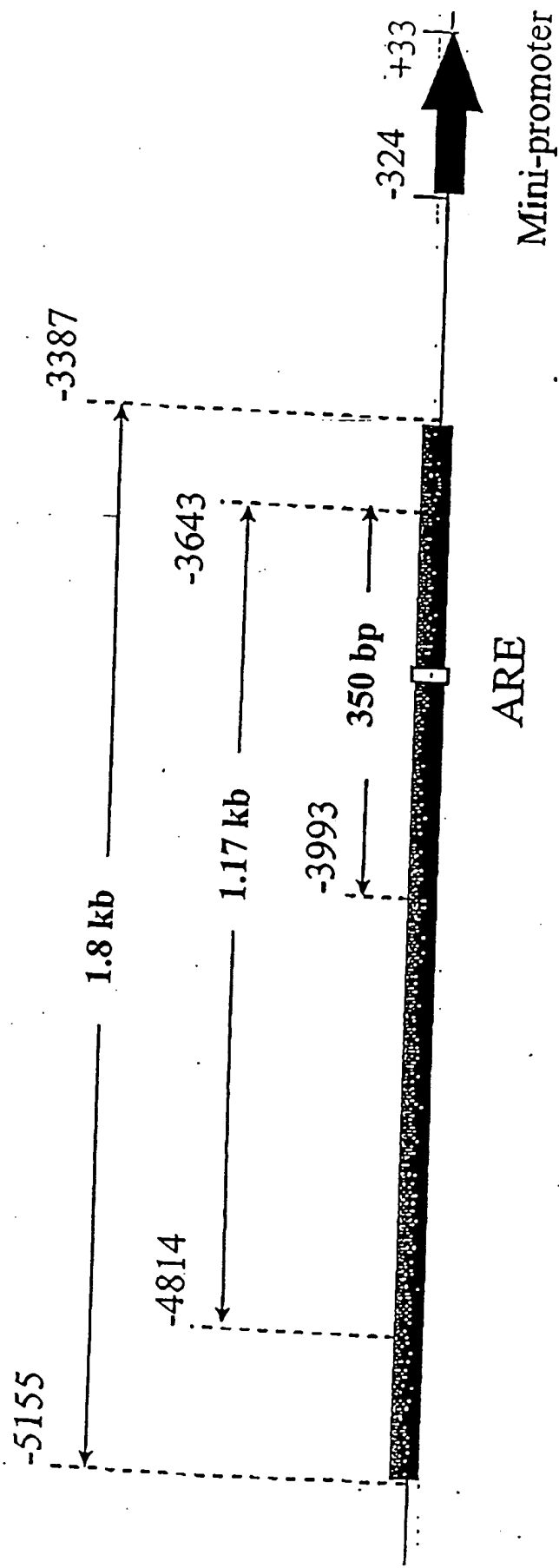


FIGURE 16

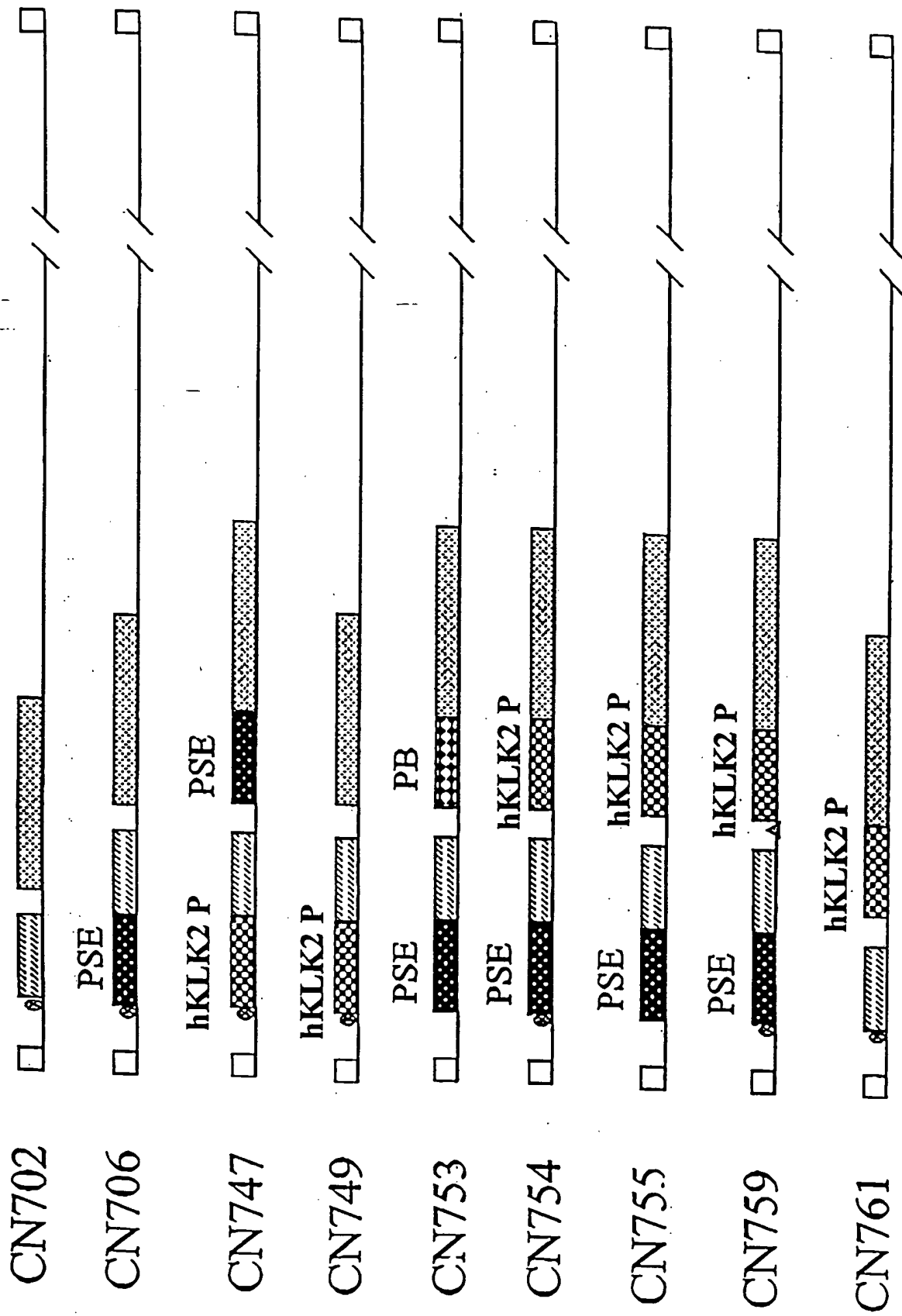


FIGURE 17A

hKLK2 T05090-3254860

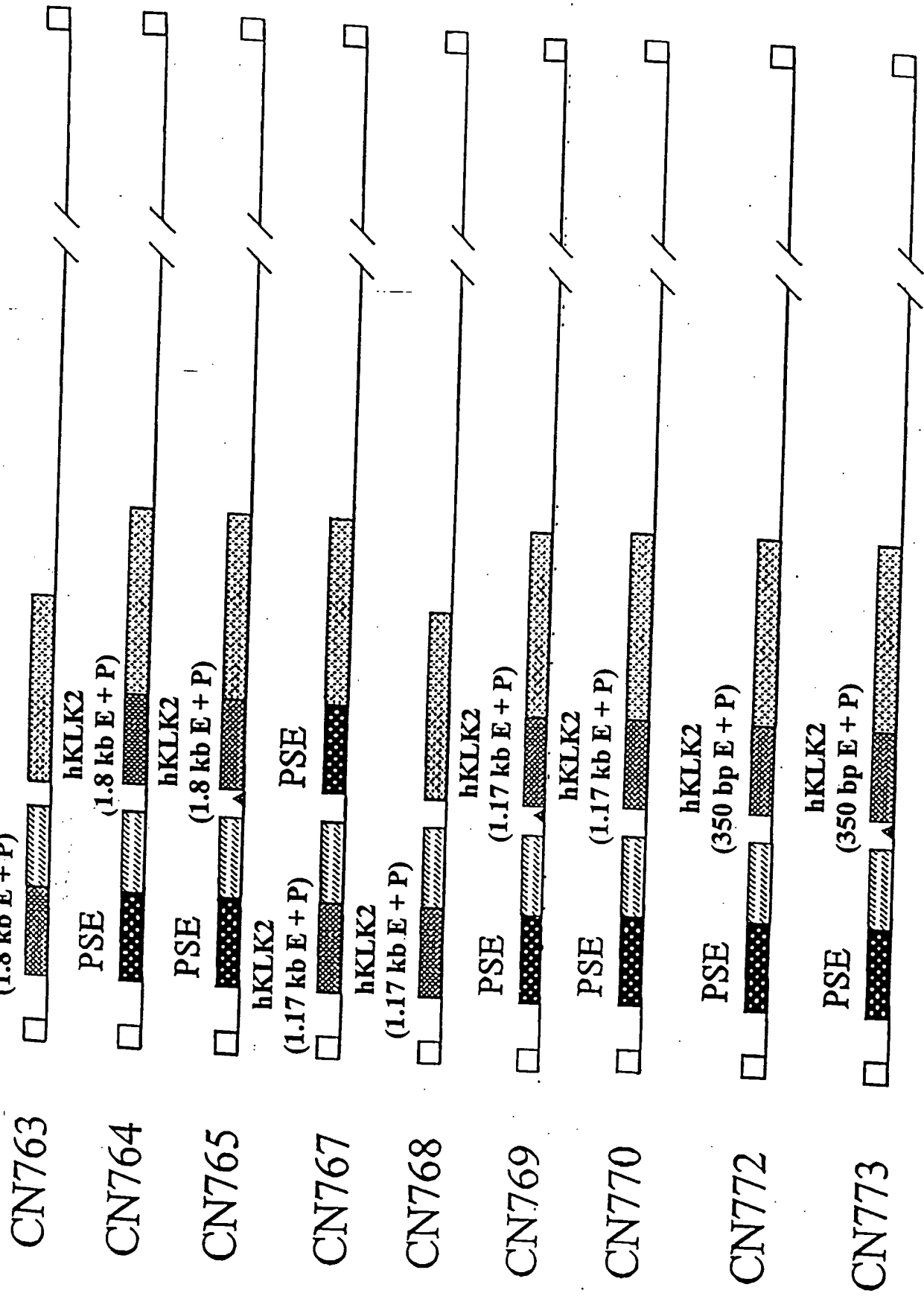


FIGURE 17B

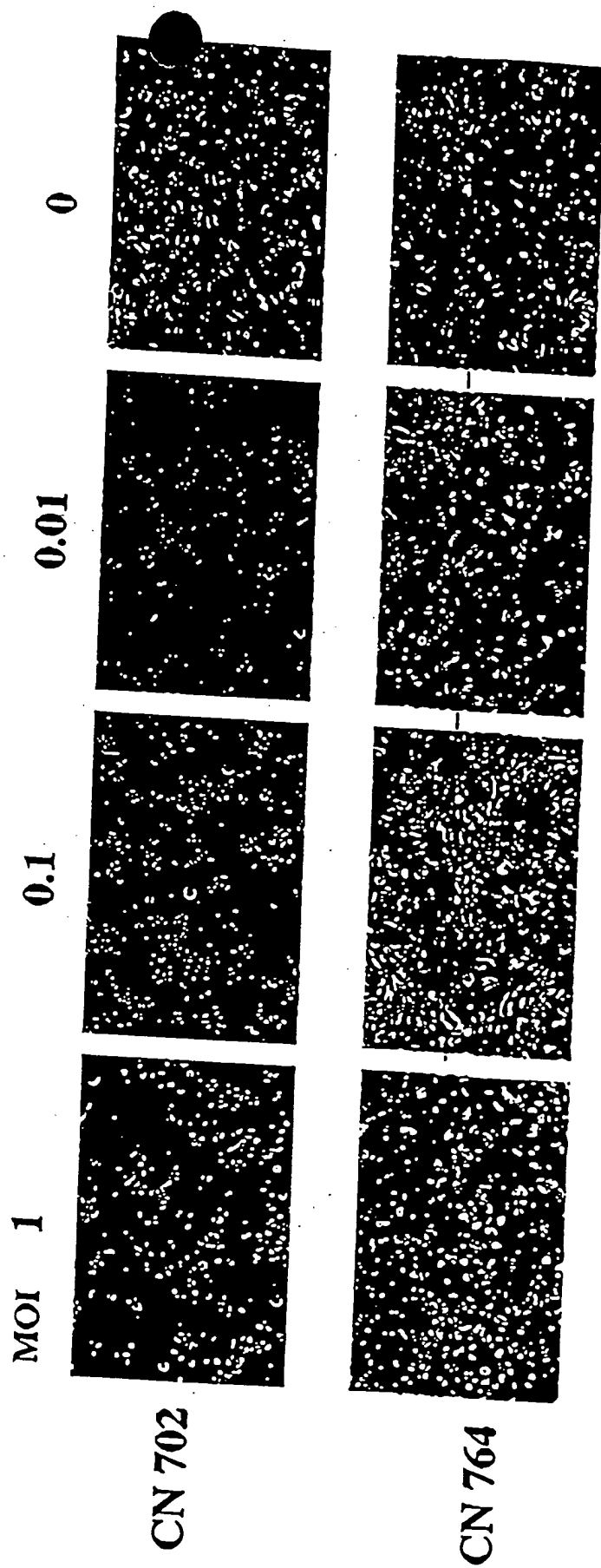


FIGURE 18

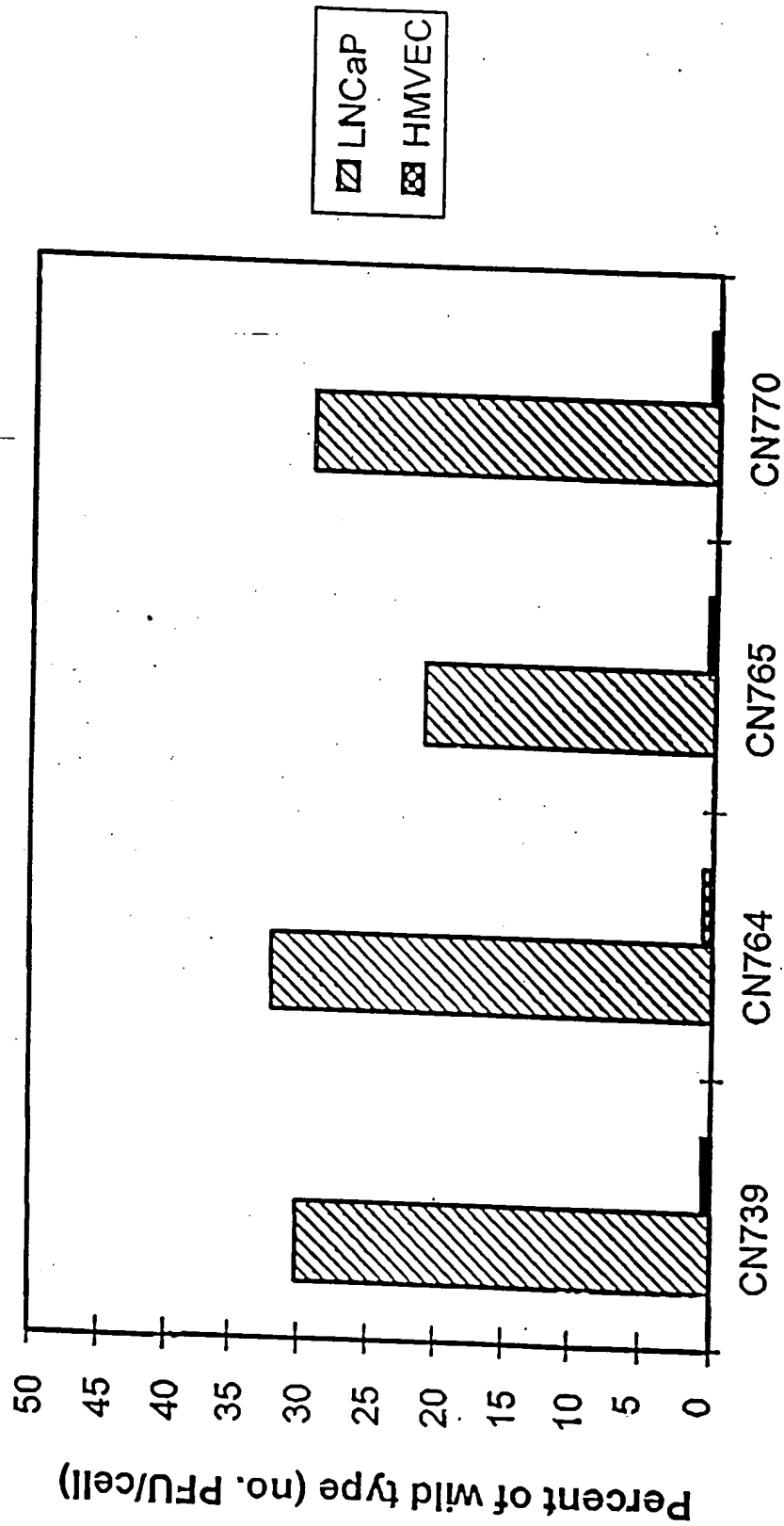


FIGURE 19

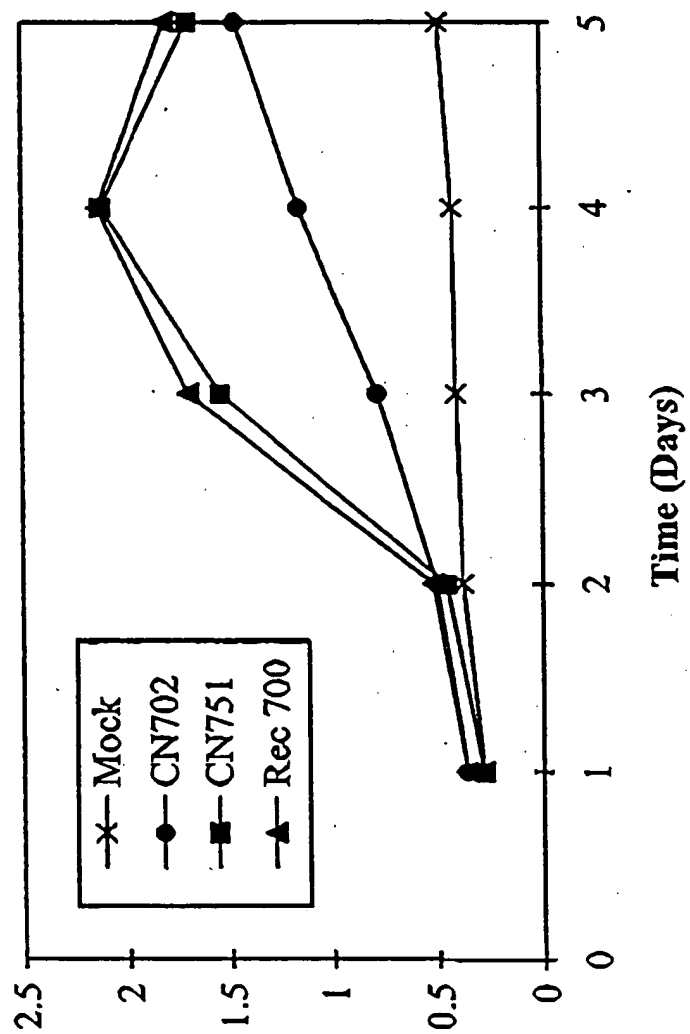


FIGURE 20

103030 0000000000

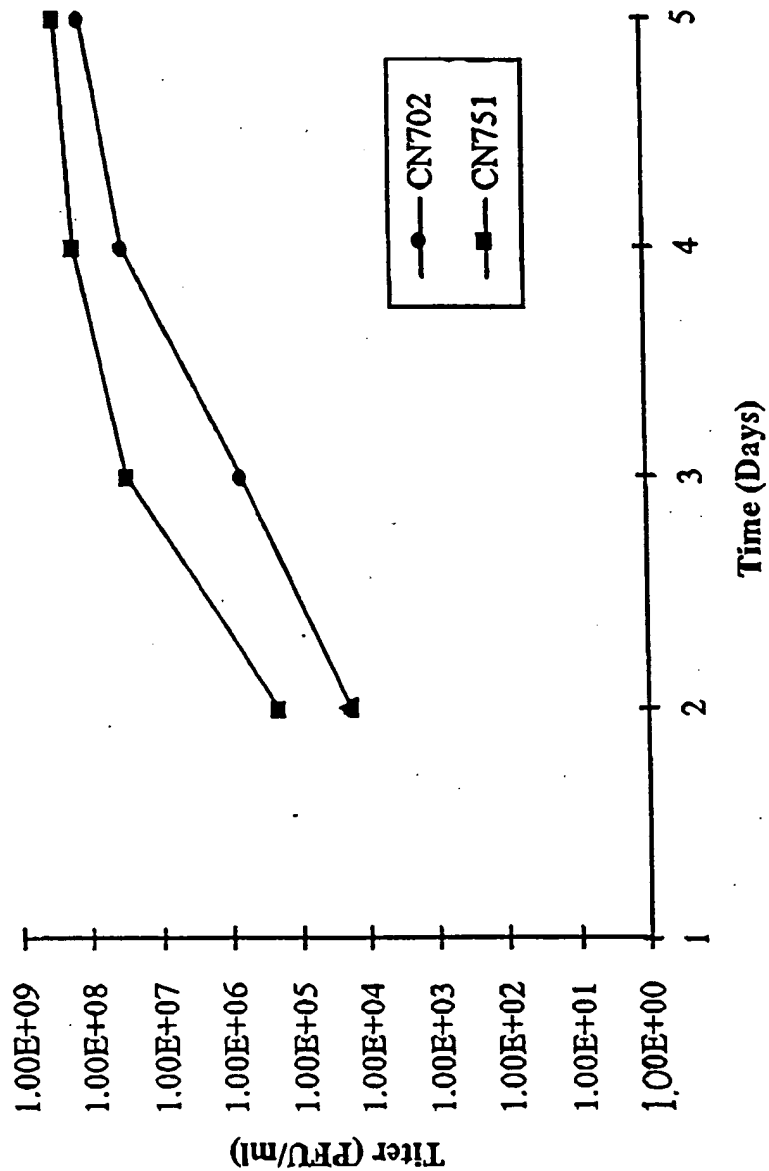


FIGURE 21

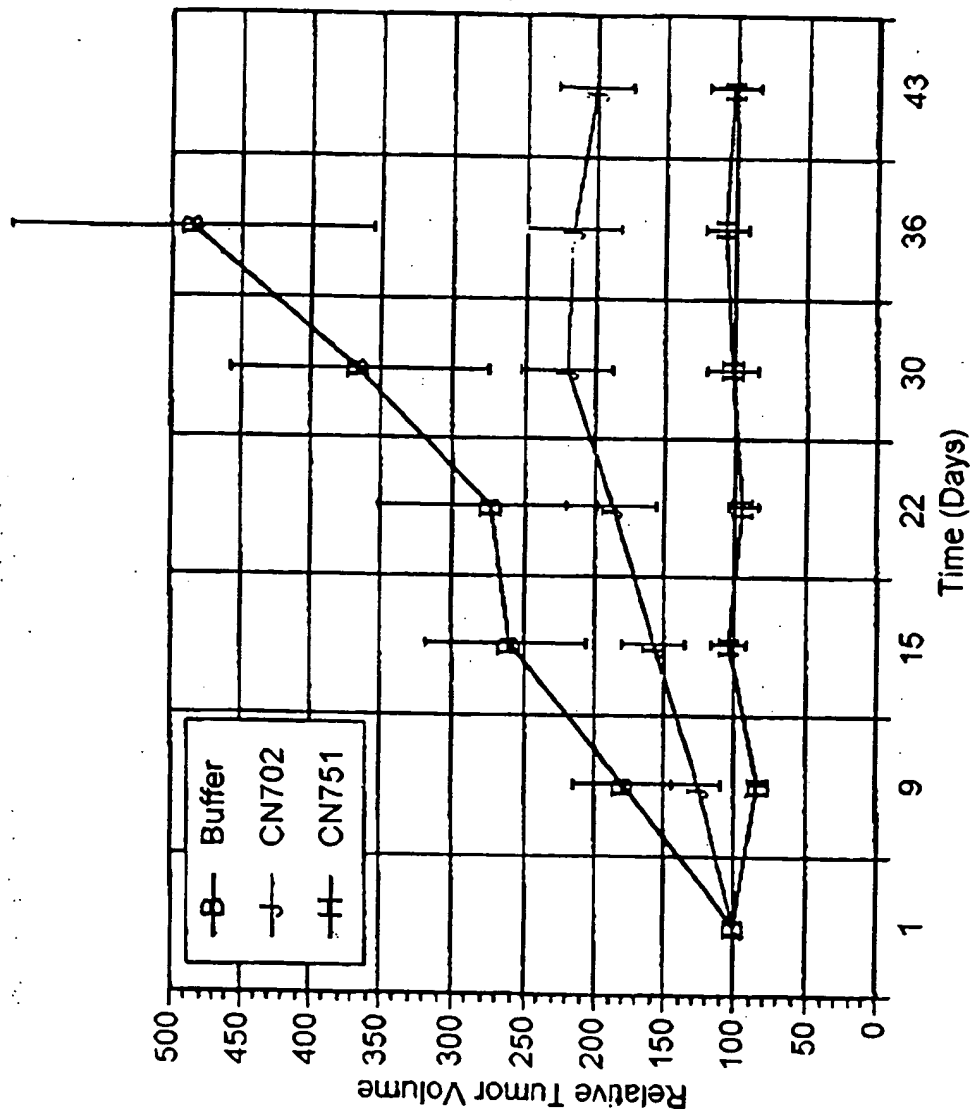


FIGURE 22

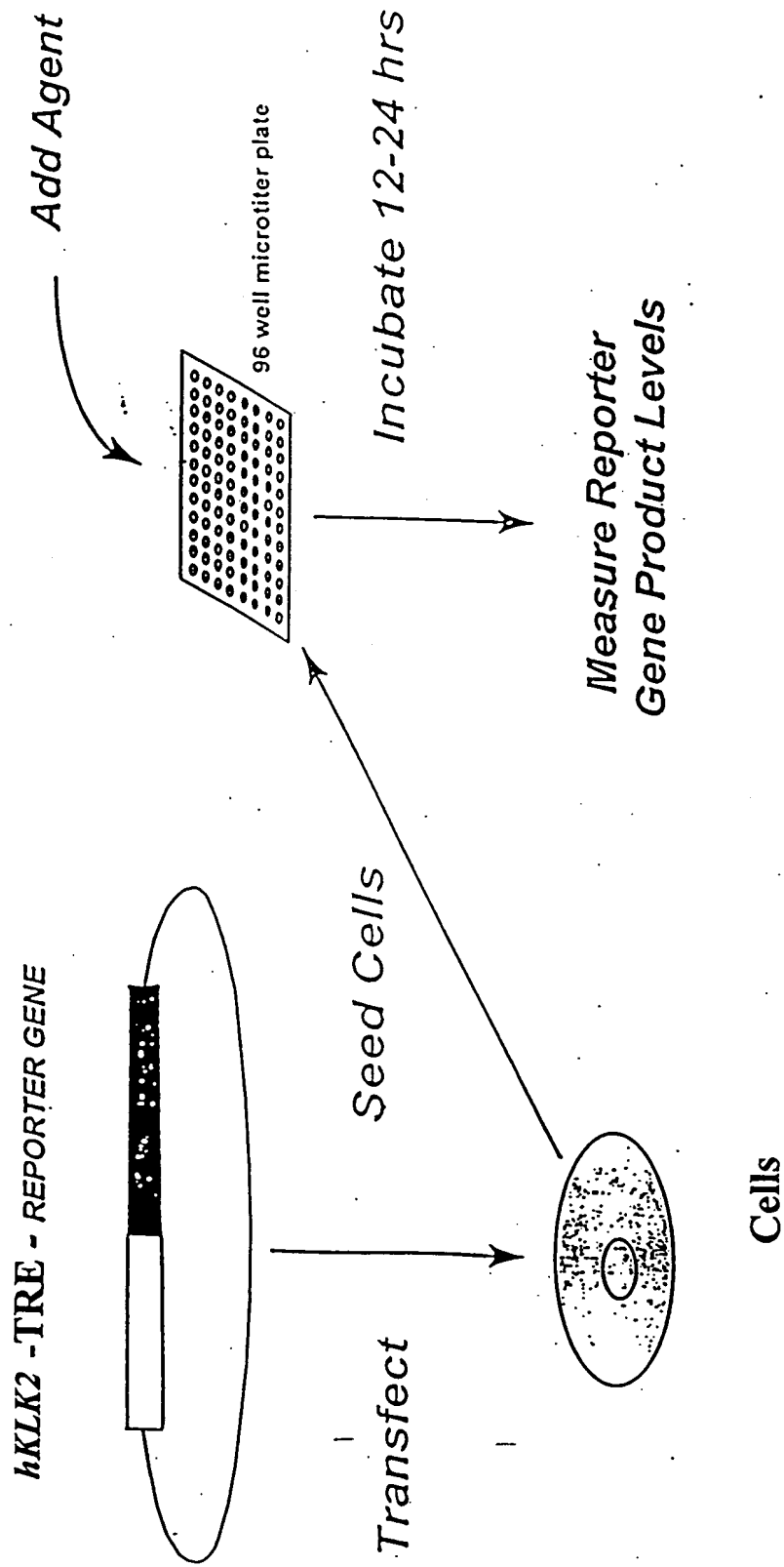
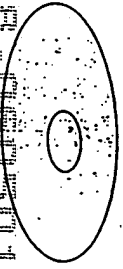


FIGURE 23A



Cells

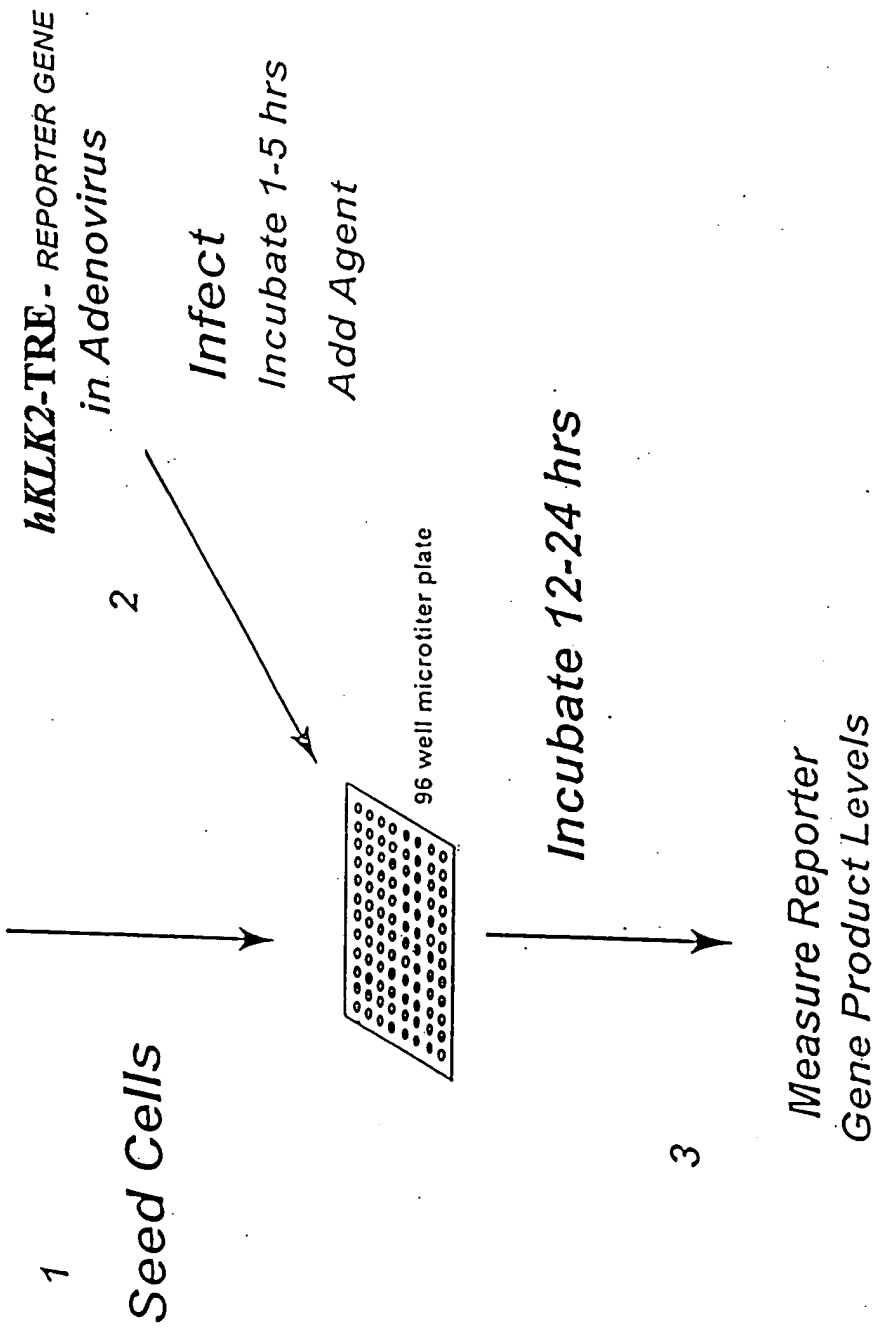


FIGURE 23B

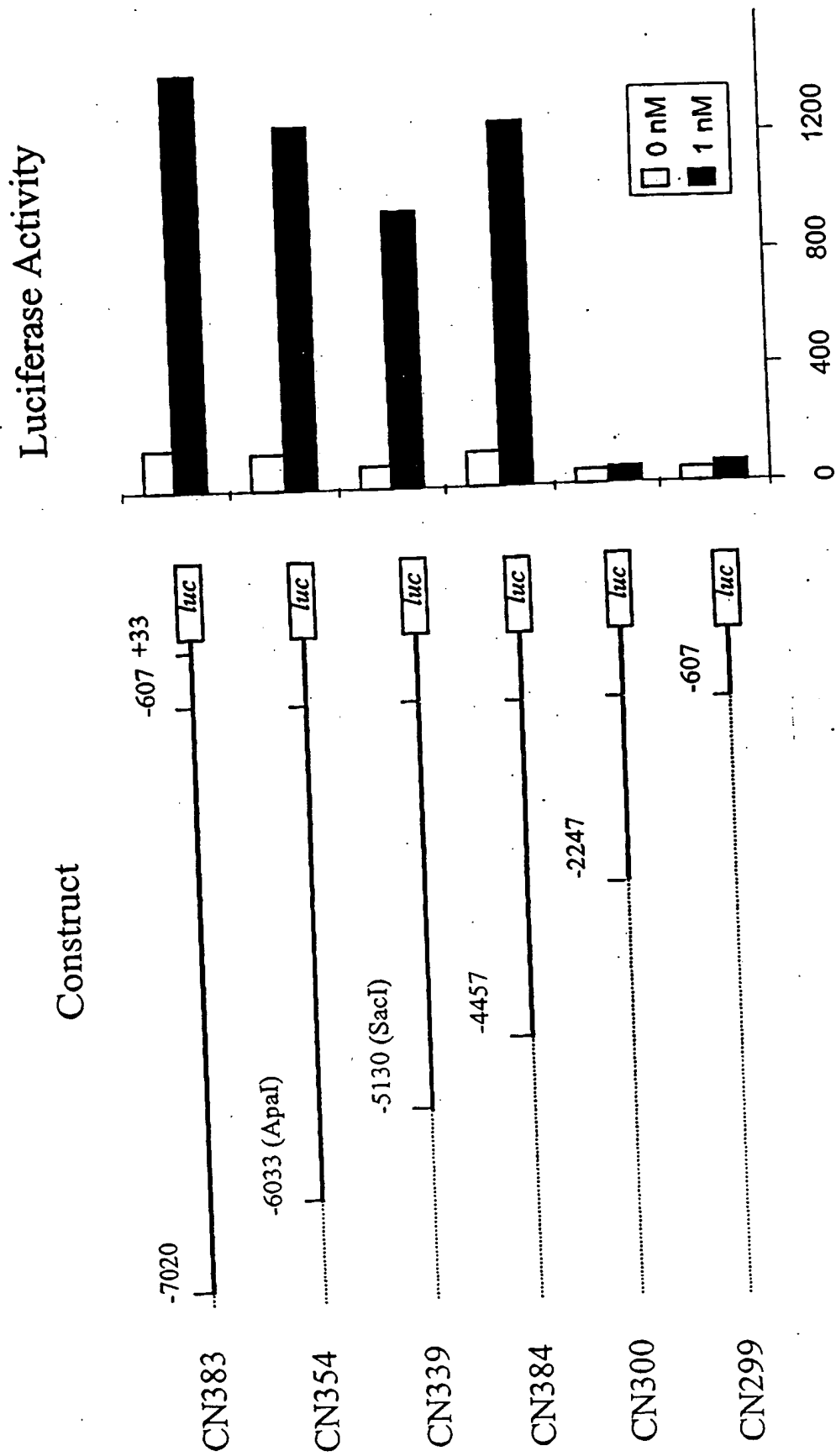


FIGURE 24A

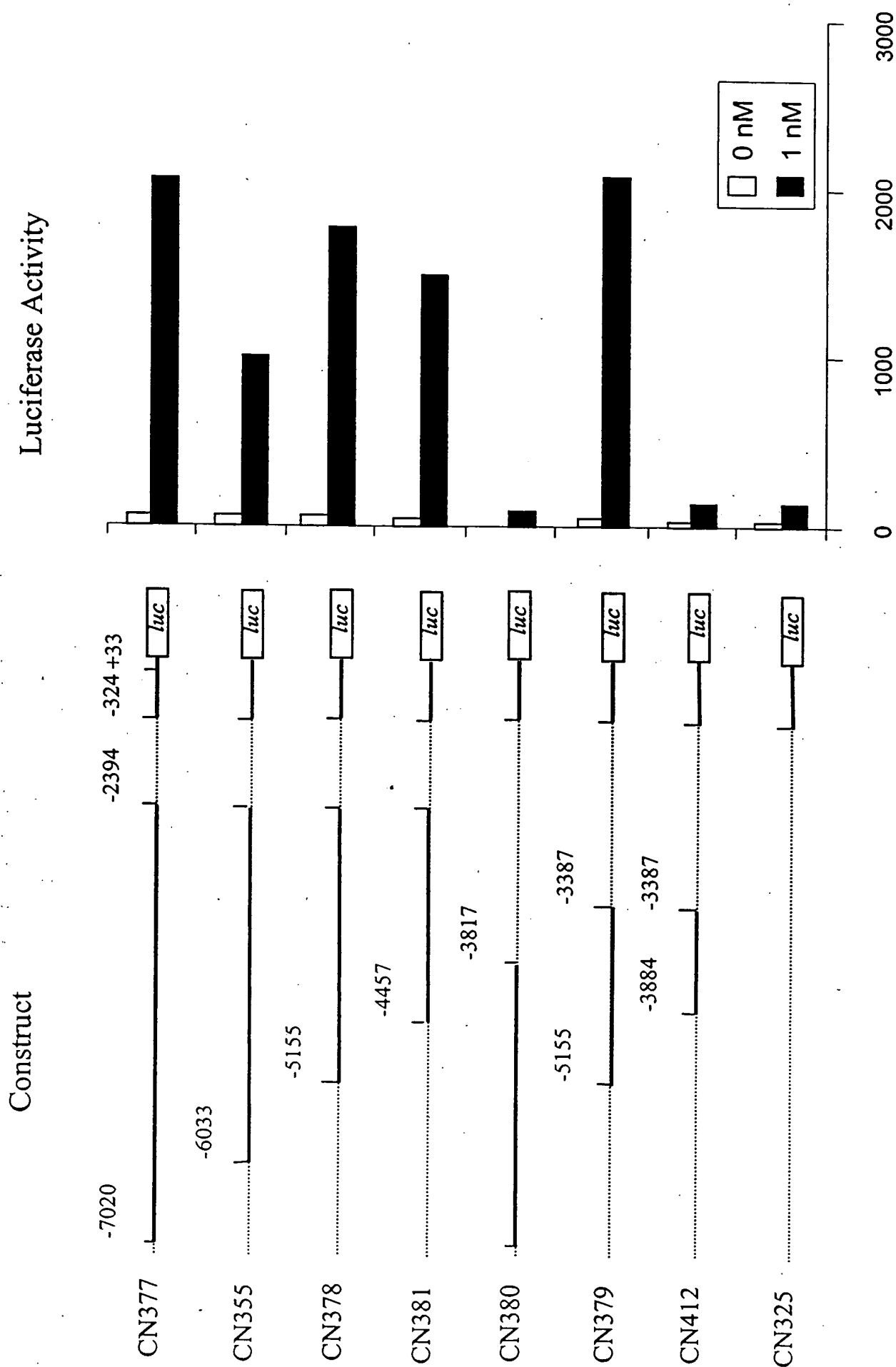


FIGURE 24B

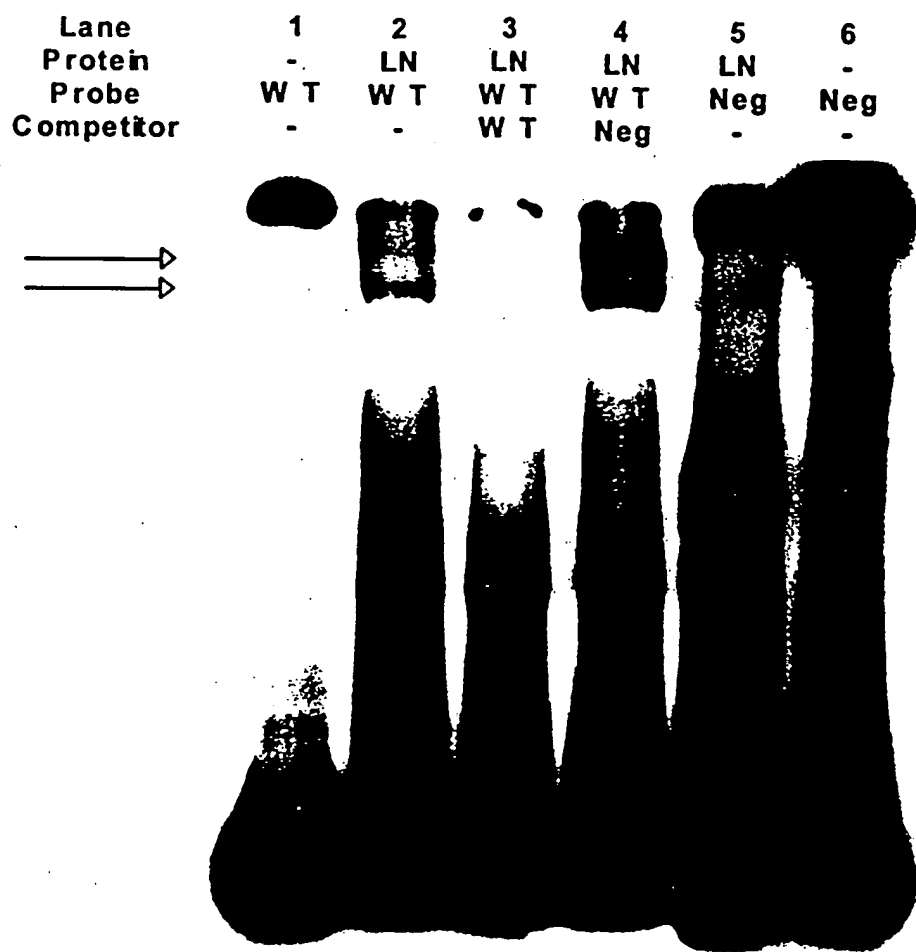


FIGURE 25A

Lane	1	2	3	4	5
Protein	-	LN	LN	He	He
Competitor	-	-	+	-	+

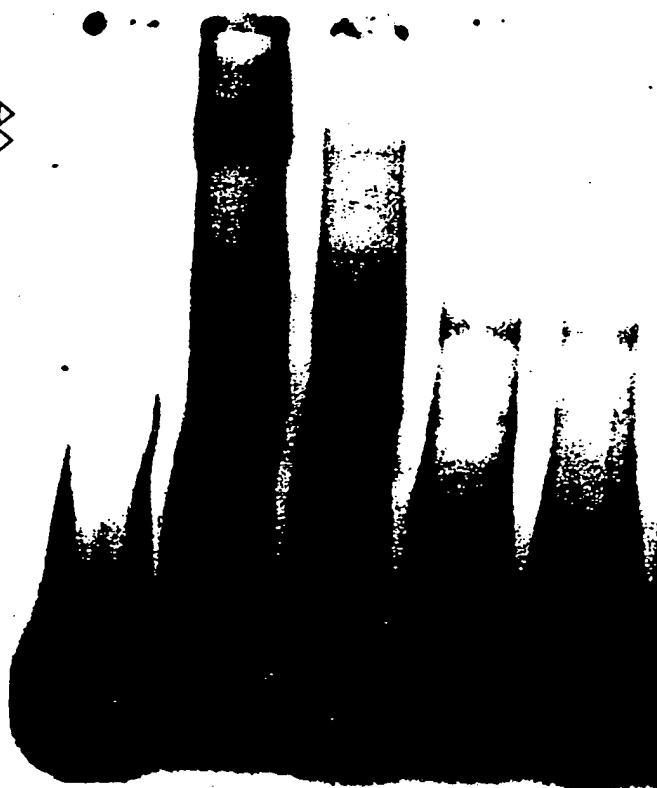
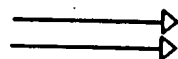


FIGURE 25B

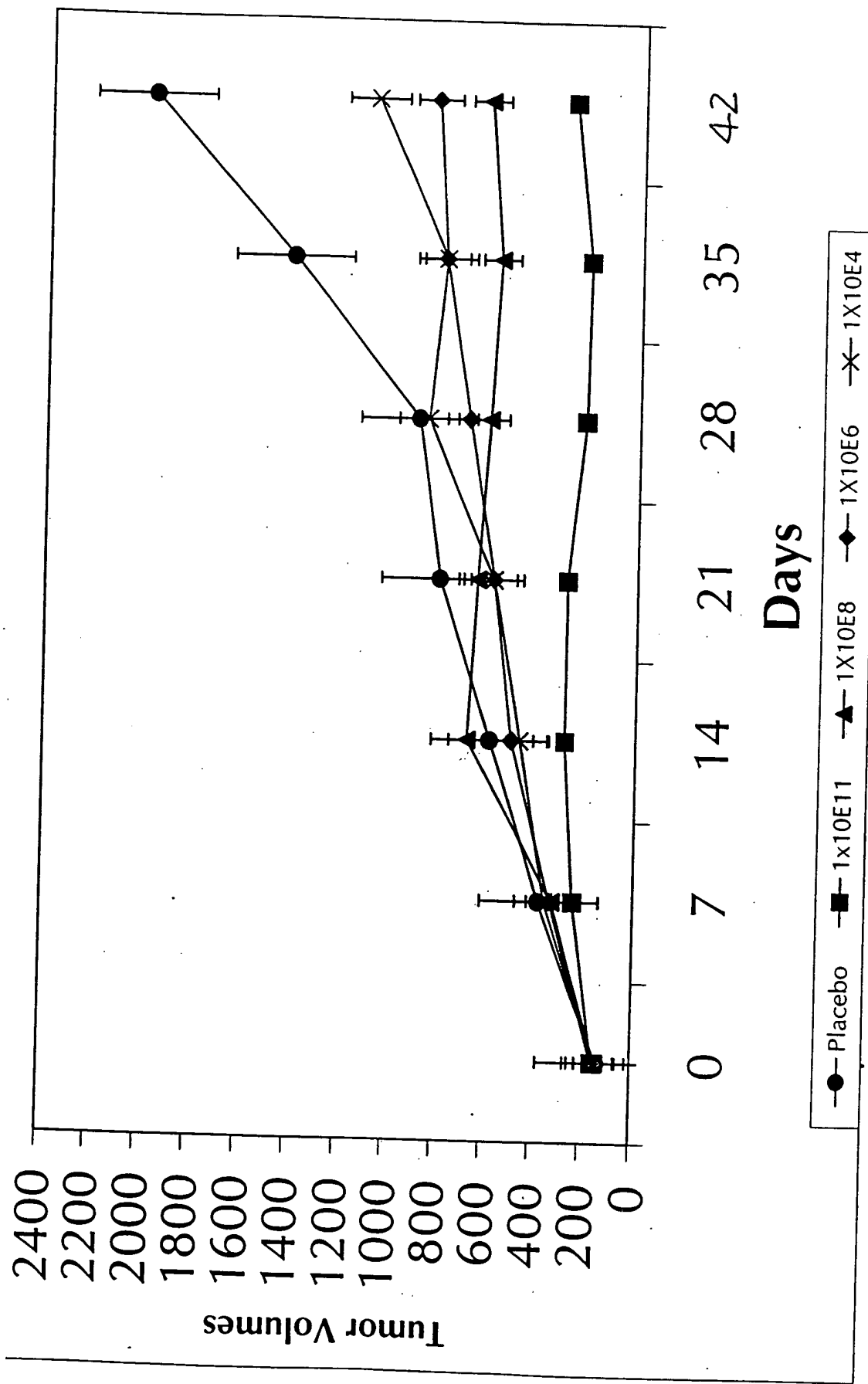


FIGURE 26